

APPENDIX J-1.

Dependent Variable-Covariate Associations for the Dermatologic Assessment

This appendix contains results of tests of association between each dependent variable and candidate covariates for the adjusted analysis of each dependent variable. Pearson's chi-square test (continuity-adjusted for 2×2 tables) is used for significance testing of the associations between the dependent variable and the candidate covariate. When a candidate covariate is continuous in nature (for example, age), the covariate is discretized prior to the analysis of the discrete dependent variable.

Table J-1-1.
Dependent Variable-Covariate Associations for the Dermatologic Assessment

Dependent Variable	Level	Age			Occupation			p-Value
		Born ≥1942	Born <1942	p-Value	Officer	Enlisted Flyer	Enlisted Groundcrew	
Occurrence of Acne (Lifetime)	Yes	(n=956) 81.7%	(n=1,277) 89.0%	<0.001	(n=869) 86.8%	(n=365) 86.8%	(n=999) 84.7%	0.365
Acne Relative to Time of Duty in SEA								
Pre- & Post-SEA and Post-SEA vs. Pre-SEA and None	Pre- & Post-SEA and Post-SEA	(n=956) 81.1%	(n=1,277) 88.8%	<0.001	(n=869) 86.4%	(n=365) 86.3%	(n=999) 84.4%	0.410
Location of Acne (Pre- & Post-SEA and Post-SEA)	Temples/ Eyes/ Ears	(n=773) 38.7%	(n=1,133) 51.1%	<0.001	(n=670) 48.3%	(n=283) 46.0%	(n=736) 44.0%	0.135
Other Abnormalities	Yes	(n=956) 74.0%	(n=1,275) 89.2%	<0.001	(n=868) 84.6%	(n=364) 85.7%	(n=999) 79.9%	0.007
Dermatology Index	Abnormal	(n=956) 46.1%	(n=1,276) 43.6%	0.246	(n=869) 39.1%	(n=364) 49.5%	(n=999) 47.7%	<0.001

Table J-1-1. (Continued)
Dependent Variable-Covariate Associations for the Dermatologic Assessment

Dependent Variable	Level	Race			Presence of Pre-SEA Acne		
		Black	Non-Black	p-Value	No	Yes	p-Value
Occurrence of Acne (Lifetime)	Yes	(n=131) 72.5%	(n=2,102) 86.0%	0.612	--	--	--
Acne Relative to Time of Duty in SEA							
Pre- & Post-SEA and Post-SEA vs. Pre-SEA and None	Pre- & Post- and Post-SEA	(n=131) 83.2%	(n=2,102) 85.6%	0.524	(n=2,008) 84.3%	(n=225) 96.4%	<0.001
Location of Acne (Pre- & Post-SEA and Post-SEA)	Temples/ Eyes/ Ears	(n=109) 25.7%	(n=1,797) 47.3%	<0.001	--	--	--
Other Abnormalities	Yes	(n=131) 72.5%	(n=2,100) 83.3%	0.002	(n=2,006) 83.5%	(n=225) 74.7%	0.001
Dermatology Index	Abnormal	(n=131) 64.1%	(n=2,101) 43.5%	<0.001	(n=2,007) 43.0%	(n=225) 59.1%	<0.001

--: Covariate not applicable for dependent variable.

Note: Temples/Eyes/Ears = Temples, eyes, ears, temples and eyes, temples and ears, eyes and ears, or temples, eyes, and ears.